

A4
5-82

Sheet 1 of 7

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT FELT, et al.	
(use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1723

*RECEIVED
FEB 04 2002
PATENT & TRADEMARK OFFICE*

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DLL	Re. 33,924	5/1992	Valeri	—	—	
DLL	3,145,713	8/1964	Latham, Jr.	—	—	
DLL	3,519,201	7/1970	Eisel et al.	—	—	
DLL	3,655,123	4/1972	Judson et al.	—	—	
DLL	3,737,096	6/1973	Jones et al.	—	—	
DLL	3,748,101	7/1973	Jones et al.	—	—	
DLL	3,825,175	7/1974	Sartory	—	—	
DLP	3,880,592	4/1975	Kelly et al.	—	—	
DLL	3,955,755	5/1976	Breillatt, Jr. et al.	—	—	
DLL	3,986,442	10/1976	Khoja et al.	—	—	
DLL	4,007,871	2/1977	Jones et al.	—	—	
DYL	4,010,894	3/1977	Kellogg et al.	—	—	
DYL	4,018,304	4/1977	Lolachi et al.	—	—	
DYL	4,059,108	11/1977	Latham, Jr.	—	—	
DYL	4,086,924	5/1978	Latham, Jr.	—	—	
DYL	4,094,461	6/1978	Kellogg et al.	—	—	
DYL	4,108,353	8/1978	Brown	—	—	
DYL	4,109,852	8/1978	Brown et al.	—	—	
DYL	4,109,854	8/1978	Brown	—	—	
DYL	4,109,855	8/1978	Brown et al.	—	—	
DYL	4,111,356	9/1978	Boggs et al.	—	—	
DYL	4,113,173	9/1978	Lolachi	—	—	
DYL	4,114,802	9/1978	Brown et al.	—	—	
DYL	4,120,448	10/1978	Cullis	—	—	
DYL	4,120,449	10/1978	Brown et al.	—	—	
DYL	4,146,172	3/1979	Cullis et al.	—	—	

EXAMINER

DYL

DATE CONSIDERED

7/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT FELT, et al.	
FEB 04 2002 (use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1723

PATENT EXAMINER	INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	JTL	4,164,318	8/1979	Boggs	—	—	
	JSL	4,185,629	1/1980	Cullis et al.	—	—	
	JFT	4,187,979	2/1980	Cullis et al.	—	—	
	JST	4,191,182	3/1980	Popovich et al.	—	—	
	JFK	4,194,684	3/1980	Boggs	—	—	
	JTK	4,216,770	8/1980	Cullis et al.	—	—	
	JTK	4,245,383	1/1981	Boggs	—	—	
	JLT	4,303,193	12/1981	Latham, Jr.	—	—	
	JST	4,304,357	12/1981	Schoendorfer	—	—	
	JLL	4,330,080	5/1982	Mathieu	—	—	
	JLL	4,332,351	6/1982	Kellogg et al.	—	—	
	JPL	4,379,452	4/1983	DeVries	—	—	
	JLS	4,386,730	6/1983	Mulzet	—	—	
	JTL	4,387,848	6/1983	Kellogg et al.	—	—	
	JTL	4,402,680	9/1983	Schoendorfer	—	—	
	JTH	4,416,654	11/1983	Schoendorfer et al.	—	—	
	JTL	4,416,778	11/1983	Rogers	—	—	
	JTH	4,417,884	11/1983	Schoendorfer et al.	—	—	
	JSL	4,421,503	12/1983	Latham, Jr. et al.	—	—	
	JTH	4,425,112	1/1984	Ito	—	—	
	JTK	4,430,072	2/1984	Kellogg et al.	—	—	
	JTH	4,435,293	3/1984	Graham, Jr. et al.	—	—	
	JSL	4,436,631	3/1984	Graham, Jr. et al.	—	—	
	JLL	4,439,178	3/1984	Mulzet	—	—	
	JHL	4,447,221	5/1984	Mulzet	—	—	
	JCL	4,464,167	8/1984	Schoendorfer et al.	—	—	
	JLL	4,482,342	11/1984	Lueptow et al.	—	—	
	JLL	4,526,515	7/1985	DeVries	—	—	

EXAMINER

David Lari

DATE CONSIDERED

7/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT FELT, et al.	
FEB 04 2001 (use several sheets if necessary)	FILING DATE 11/02/2001	GROUP ART 1723

EXAMINER	INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	JL	4,531,932	7/1985	Luppi et al.	—	—	
	JL	4,557,719	12/1985	Neumann et al.	—	—	
	JL	4,610,846	9/1986	Martin	—	—	
	JL	4,636,193	1/1987	Cullis	—	—	
	JL	4,637,813	1/1987	DeVries	—	—	
	JL	4,647,279	3/1987	Mulzet et al.	—	—	
	JL	4,670,147	6/1987	Schoendorfer et al.	—	—	
	JL	4,675,106	6/1987	Schoendorfer et al.	—	—	
	JL	4,675,117	6/1987	Neumann et al.	—	—	
	JL	4,696,666	9/1987	Rice, Jr.	—	—	
	JL	4,708,712	11/1987	Mulzet	—	—	
	JL	4,713,176	12/1987	Schoendorfer et al.	—	—	
	JL	4,734,089	3/1988	Cullis	—	—	
	JL	4,738,655	4/1988	Brimhall et al.	—	—	
	JL	4,740,313	4/1988	Schoendorfer et al.	—	—	
	JL	4,753,729	6/1988	Schoendorfer et al.	—	—	
	JL	4,755,300	7/1988	Fischel et al.	—	—	
	JL	4,776,964	10/1988	Schoendorfer et al.	—	—	
	JL	4,790,807	12/1988	Neumann et al.	—	—	
	JL	4,804,363	2/1989	Valeri	—	—	
	JL	4,806,247	2/1989	Schoendorfer et al.	—	—	
	JL	4,816,151	3/1989	Schoendorfer et al.	—	—	
	JL	4,834,890	5/1989	Brown et al.	—	—	
	JL	4,850,995	7/1989	Tie et al.	—	—	
	JL	4,850,998	7/1989	Schoendorfer	—	—	
	JL	4,851,126	7/1989	Schoendorfer	—	—	
	JL	4,869,812	9/1989	Schoendorfer et al.	—	—	
	JL	4,879,040	11/1989	Prince et al.	—	—	

EXAMINER

David A. Sri

DATE CONSIDERED

7/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT FELT, et al.	
FEB 04 2002 (use several sheets if necessary)	FILING DATE 11/02/2001	GROUP ART 1723

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JL	4,911,833	3/1990	Schoendorfer et al.	—	—	
JL	4,919,817	4/1990	Schoendorfer et al.	—	—	
JL	4,934,995	6/1990	Cullis	—	—	
JL	4,935,002	6/1990	Gordon	—	—	
JL	4,940,543	7/1990	Brown et al.	—	—	
JL	4,943,273	7/1990	Pages	—	—	
JL	4,944,883	7/1990	Schoendorfer et al.	—	—	
JL	4,968,295	11/1990	Neumann	—	—	
JL	4,983,158	1/1991	Headley	—	—	
JL	4,990,132	2/1991	Unger et al.	—	—	
JL	5,006,103	4/1991	Bacehowski et al.	—	—	
JL	5,034,135	7/1991	Fischel	—	—	
JL	5,053,121	10/1991	Schoendorfer et al.	—	—	
JL	5,053,127	10/1991	Schoendorfer et al.	—	—	
JL	5,061,381	10/1991	Burd	—	—	
JL	5,104,526	4/1992	Brown et al.	—	—	
JL	5,114,396	5/1992	Unger et al.	—	—	
JL	5,135,667	8/1992	Schoendorfer	—	—	
JL	5,147,290	9/1992	Jonsson	—	—	
JL	5,171,456	12/1992	Hwang et al.	—	—	
JL	5,186,844	2/1993	Burd et al.	—	—	
JL	5,188,583	2/1993	Guigan	—	—	
JL	5,194,145	3/1993	Schoendorfer	—	—	
JL	5,217,426	6/1993	Bacehowski et al.	—	—	
JL	5,217,427	6/1993	Cullis	—	—	
JL	5,260,598	1/1993	Brass et al.	—	—	
JL	5,275,731	1/1994	Jahn	—	—	
JL	5,281,342	1/1994	Biesel et al.	—	—	

EXAMINER

David Jahn

DATE CONSIDERED

7/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT FELT, et al.	
FEB 14 2002 (Use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1723

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PZL		5,295,953	3/1994	Richard et al.	—	—	
JZJ		5,298,171	3/1994	Biesel	—	—	
ZJL		5,370,802	12/1994	Brown	—	—	
JZJ		5,376,263	12/1994	Fischel	—	—	
DZL		5,405,308	4/1995	Headley et al.	—	—	
DZL		5,421,812	6/1995	Langley et al.	—	—	
DZL		5,445,593	8/1995	Biesel et al.	—	—	
DZL		5,464,534	11/1995	Fischel	—	—	
DZL		5,494,592	2/1996	Latham, Jr. et al.	—	—	
DZL		5,571,068	11/1996	Bacehowski et al.	—	—	
DZL		5,605,842	2/1997	Langley et al.	—	—	
JZL		5,607,579	3/1997	Latham, Jr. et al.	—	—	
JZL		5,607,830	3/1997	Biesel et al.	—	—	
DZL		5,611,997	3/1997	Langley et al.	—	—	
DZL		5,614,106	3/1997	Payrat et al.	—	—	
DZL		5,651,766	7/1997	Kingsley et al.	—	—	
DZL		5,653,887	8/1997	Wahl et al.	—	—	
DZL		5,674,173	10/1997	Hlavinka et al.	—	—	
JZL		5,702,357	12/1997	Bainbridge et al.	—	—	
JZL		5,704,888	1/1998	Hlavinka et al.	—	—	
JZL		5,704,889	1/1998	Hlavinka et al.	—	—	
DZL		5,722,926	3/1998	Hlavinka et al.	—	—	
DZL		5,723,050	3/1998	Unger et al.	—	—	
DZL		5,728,060	3/1998	Kingsley et al.	—	—	
DZL		5,733,253	3/1998	Headley et al.	—	—	
DZL		5,738,644	4/1998	Holmes et al.	—	—	
DZL		5,738,792	4/1998	Schoendorfer	—	—	
DZL		5,779,660	7/1998	Kingsley et al.	—	—	

EXAMINER <i>David Lai</i>	DATE CONSIDERED <i>7/8/03</i>
---------------------------	-------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT FELT, et al.	
FEB 04 2002 (use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1723

INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JPL	5,783,085	7/1998	Fischel	—	—	
JPL	5,792,038	8/1998	Hlavinka	—	—	
JPL	5,853,382	12/1998	Kingsley et al.	—	—	
JPL	5,876,321	3/1999	Hlavinka et al.	—	—	
JPL	5,882,289	3/1999	Sakota et al.	—	—	
JPL	5,885,239	3/1999	Headley et al.	—	—	
JPL	5,904,355	5/1999	Powers	—	—	
JPL	5,939,319	8/1999	Hlavinka et al.	—	—	
JPL	5,951,877	9/1999	Langley et al.	—	—	
JPL	5,954,626	9/1999	Hlavinka	—	—	
JPL	6,007,509	12/1999	Kingsley et al.	—	—	
JPL	6,019,742	2/2000	Headley et al.	—	—	
JPL	6,039,711	3/2000	Headley et al.	—	—	
JPL	6,053,856	4/2000	Hlavinka	—	—	
JPL	6,062,078	5/2000	Meisberger	—	—	
JPL	6,074,335	6/2000	Headley et al.	—	—	
JPL	6,099,491	8/2000	Headley et al.	—	—	
JPL	6,102,883	8/2000	Kingsley et al.	—	—	
JPL	6,200,287	3/2001	Keller et al.	—	—	
JPL	6,221,315	4/2001	Giesler et al.	—	—	
JPL	6,261,217	7/2001	Unger et al.	—	—	
JPL	6,273,849	8/2001	Scherer	—	—	
JPL	6,277,060	8/2001	Neumann	—	—	
JPL	6,280,375	8/2001	Meisberger et al.	—	—	
JPL	6,296,602	10/2001	Headley	—	—	
JPL	6,315,707	11/2001	Smith et al.	—	—	
JPL	6,319,471	11/2001	Langley et al.	—	—	
JPL	6,322,488	11/2001	Westberg et al.	—	—	

EXAMINER

DWJ Loh

DATE CONSIDERED

7/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT FELT, et al.	
FEB 04 2002 (use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1723

PATENT EXAMINER	INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DLL		6,325,775	12/2001	Thom et al.	—	—	
DLL		6,334,842	1/2002	Hlavinka et al.	—	—	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
DLL	④	26 58 926	12/1976	DE	—	—	
DLL	⑤	0096217	2/1983	EP	—	—	
DLL	⑥	0214803	3/1987	EP	—	—	
	⑦	PCT/US95/13447	4/1996	International Search Rept. (03/29/1996)	—	—	
DLL	⑧	PCT/US95/13447	4/1996	WO	—	—	
DLL	⑨	PCT/US96/03018	12/1996	WO	—	—	
DLL	⑩	PCT/US00/06561	9/2000	WO	—	—	
DLL	⑪	PCT/US00/06945	9/2000	WO	—	—	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DLL	D. W. Schoendorfer: Automation in Apheresis, pp.129-146 (undated, in use one year prior to filing)

EXAMINER <i>D. W. Mark</i>	DATE CONSIDERED <i>7/8/03</i>
----------------------------	-------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 7

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BC-0264-US02	SERIAL NO. 10/008989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT FELT, et al.	
(Use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1723

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
D21	9	JP55086552	June 30, 1980	Japan	—	—	Abstract only
D22	9	EP 1043072	Oct. 11, 2000	European Patent Office	—	—	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

D21	6	Patent Cooperation Treaty Search Report for Application No: PCT/US01/46953

EXAMINER	<i>Dave L</i>	DATE CONSIDERED	<i>7/8/03</i>
----------	---------------	-----------------	---------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.